

Claims

What is claimed is:

1. A method of facilitating speed dialing comprising:
 - 5 a) accessing an address corresponding to a speed dial code, which was initially dialed from a traditional telephony device; and
 - b) sending a session initiation request including the address to initiate a voice session between a called party terminal associated with the address and the traditional telephony device.
- 10 2. The method of claim 1 further comprising receiving an initial session initiation request including the speed dial code.
- 15 3. The method of claim 2 wherein the initial session initiation request is received over an Internet Protocol based network from a terminal adapter, which operatively connects the traditional telephony device to the Internet Protocol based network.
- 20 4. The method of claim 2 wherein the speed dial code is provided in a first field of the initial session request, the first field intended to contain the address.
- 25 5. The method of claim 4 further comprising determining that the first field of the initial session request includes the speed dial code instead of the address.
- 30 6. The method of claim 5 further comprising replacing the speed dial code in the initial session initiation request with the address to create the session initiation request.
7. The method of claim 6 further comprising:
 - a) receiving a second session initiation request, which includes a second address in the first field; and

- b) sending the second session initiation request including the second address to initiate a second voice session.
- 5 8. The method of claim 1 further comprising accessing the speed dial code by:
 - a) requesting the address using the speed dial code from a directory information database; and
 - b) receiving the address from the directory information database.
- 10 9. A method of facilitating speed dialing comprising:
 - a) receiving a speed dial code from a traditional telephony device;
 - b) sending an initial session initiation request including the speed dial code over an Internet Protocol based network; and
 - 15 c) facilitating a voice session over the Internet Protocol based network with a called party terminal and a voice connection with the traditional telephony device to facilitate a call between the traditional telephony device and the called party terminal.
- 20 10. The method of claim 9 wherein the speed dial code is provided in a first field of the initial session request, the first field intended to contain an address associated with the called party terminal.
- 25 11. The method of claim 9 wherein the speed dial code is received from the traditional telephony device over a traditional telephony line in the form of dialed digits.
- 30 12. A system for facilitating speed dialing comprising:
 - a) at least one communication interface; and
 - b) a control system associated with the at least one communication interface and adapted to:
 - i) access an address corresponding to a speed dial code, which was initially dialed by a user of a traditional telephony device; and

- ii) send a session initiation request including the address to initiate a voice session between a called party terminal associated with the address and the traditional telephony device.

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13. The system of claim 12 wherein the control system is further adapted to receive an initial session initiation request including the speed dial code.

10 14. The system of claim 13 wherein the initial session initiation request is received over an Internet Protocol based network from a terminal adapter, which operatively connects the traditional telephony device to the Internet Protocol based network.

15 15. The system of claim 13 wherein the speed dial code is provided in a first field of the initial session request, the first field intended to contain the address.

20 16. The system of claim 15 wherein the control system is further adapted to determine that the first field of the initial session request includes the speed dial code instead of the address.

25 17. The system of claim 16 wherein the control system is further adapted to replace the speed dial code in the initial session initiation request with the address to create the session initiation request.

30 18. The system of claim 17 wherein the control system is further adapted to:
a) receive a second session initiation request, which includes a second address in the first field; and
b) send the second session initiation request including the second address to initiate a second voice session.

19. The system of claim 12 wherein to access the speed dial code, the control system is further adapted to:
- a) request the address using the speed dial code from a directory information database; and
 - 5 b) receive the address from the directory information database.
20. A system for facilitating speed dialing comprising:
- a) an Internet Protocol communication interface;
 - b) a traditional telephony network interface supporting a traditional telephony device; and
 - 10 c) a control system associated with the Internet Protocol communication interface and the traditional telephony interface and adapted to:
 - i) receive a speed dial code from the traditional telephony device;
 - 15 ii) send an initial session initiation request including the speed dial code over an Internet Protocol based network; and
 - iii) facilitate a voice session over the Internet Protocol based network with a called party terminal and a voice connection with the traditional telephony device to facilitate a call
 - 20 between the traditional telephony device and the called party terminal.
21. The system of claim 20 wherein the speed dial code is provided in a first field of the initial session request, the first field intended to contain an address associated with the called party terminal.
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22. The system of claim 20 wherein the speed dial code is received from the traditional telephony device over a traditional telephony line in the form of dialed digits.
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23. A method of facilitating speed dialing comprising:

- a) accessing an address corresponding to a speed dial code, which was initially dialed by a user of a telephony device having a primarily numeric keypad; and
 - b) sending a session initiation request including the address to initiate a voice session between a called party terminal associated with the address and the telephony device.
24. The method of claim 23 further comprising receiving an initial session initiation request including the speed dial code.
25. The method of claim 24 wherein the initial session initiation request is received over an Internet Protocol based network from the telephony device.
26. The method of claim 24 wherein the speed dial code is provided in a first field of the initial session request, the first field intended to contain the address.
27. The method of claim 26 further comprising determining that the first field of the initial session request includes the speed dial code instead of the address.
28. The method of claim 27 further comprising replacing the speed dial code in the initial session initiation request with the address to create the session initiation request.
29. The method of claim 23 further comprising accessing the speed dial code by:
- a) requesting the address using the speed dial code from a directory information database; and
 - b) receiving the address from the directory information database.
30. A system for facilitating speed dialing comprising:
- a) at least one communication interface; and

- b) a control system associated with the at least one communication interface and adapted to:
- i) access an address corresponding to a speed dial code, which was initially entered by a user via a primarily numeric keypad of a telephony device; and
 - ii) send a session initiation request including the address to initiate a voice session between a called party terminal associated with the address and the telephony device.
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- 10 31. The system of claim 30 wherein the control system is further adapted to receive an initial session initiation request including the speed dial code.
- 15 32. The system of claim 31 wherein the initial session initiation request is received over an Internet Protocol based network from the telephony device.
- 20 33. The system of claim 31 wherein the speed dial code is provided in a first field of the initial session request, the first field intended to contain the address.
- 25 34. The system of claim 33 wherein the control system is further adapted to determine that the first field of the initial session request includes the speed dial code instead of the address.
- 30 35. The system of claim 34 wherein the control system is further adapted to replace the speed dial code in the initial session initiation request with the address to create the session initiation request.
36. The system of claim 31 wherein to access the speed dial code, the control system is further adapted to:
- a) request the address using the speed dial code from a directory information database; and
 - b) receive the address from the directory information database.

37. A system for facilitating speed dialing comprising:
- a) an Internet Protocol communication interface;
 - b) a primarily numeric keypad; and
 - 5 c) a control system associated with the Internet Protocol communication interface and the primarily numeric keypad and adapted to:
 - i) receive a speed dial code entered via the primarily numeric keypad;
 - 10 ii) send an initial session initiation request including the speed dial code over an Internet Protocol based network; and
 - iii) facilitate a voice session over the Internet Protocol based network with a called party terminal.
- 15 38. The system of claim 37 wherein the speed dial code is provided in a first field of the initial session request, the first field intended to contain an address associated with the called party terminal.
- 20 39. The system of claim 37 wherein the speed dial code is received from the traditional telephony device over a traditional telephony line in the form of dialed digits.